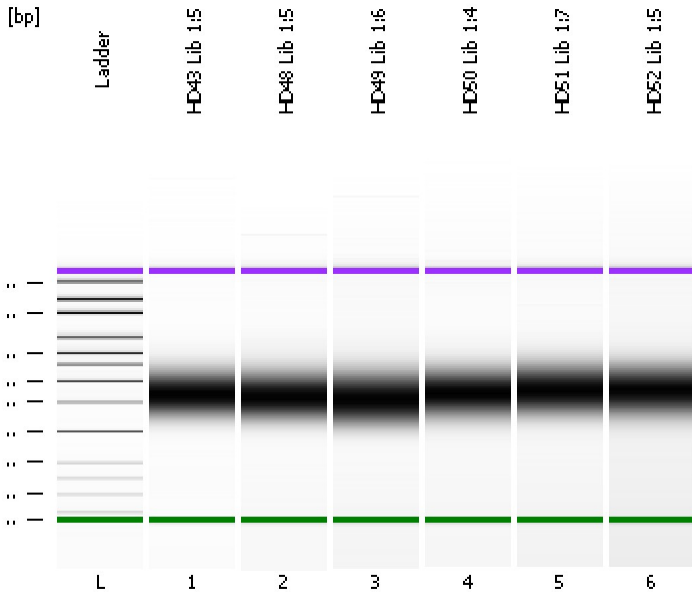


Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:10:02 PM

Electrophoresis File Run Summary



Instrument Information:

Instrument Name: DE13701086 Firmware: C.01.069
Serial#: DE13701086 Type: G2938B

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\dsDNA\High Sensitivity DNA.xsy
Assay Class: High Sensitivity DNA Assay
Version: 1.03
Assay Comments: Copyright © 2003-2010 Agilent Technologies

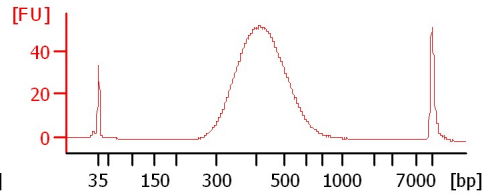
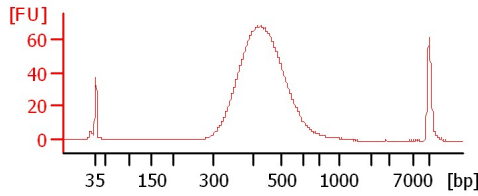
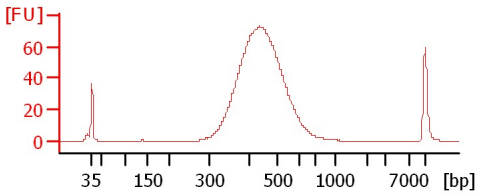
Chip Information:

Chip Lot #:
Reagent Kit Lot #:
Chip Comments:

HD43 Lib 1:5

HD48 Lib 1:5

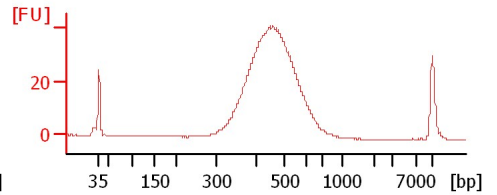
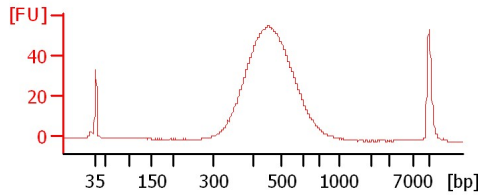
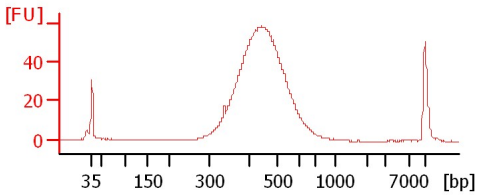
HD49 Lib 1:6



HD50 Lib 1:4

HD51 Lib 1:7

HD52 Lib 1:5



Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electrophoresis File Run Summary (Chip Summary)

Sample Name	Sample Comment	Rest. Digest	Status	Observation	Result Label	Result Color
HD43 Lib 1:5		<input type="checkbox"/>	✓			
HD48 Lib 1:5		<input type="checkbox"/>	✓			
HD49 Lib 1:6		<input type="checkbox"/>	✓			
HD50 Lib 1:4		<input type="checkbox"/>	✓			
HD51 Lib 1:7		<input type="checkbox"/>	✓			
HD52 Lib 1:5		<input type="checkbox"/>	✓			
Ladder		<input type="checkbox"/>	✓			

Chip Lot #

Reagent Kit Lot #

Chip Comments :

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:10:02 PM

Electrophoresis Assay Details

General Analysis Settings

Number of Available Sample and Ladder Wells (Max.) : 12
Minimum Visible Range [s] : 32
Maximum Visible Range [s] : 138
Start Analysis Time Range [s] : 33
End Analysis Time Range [s] : 137.5
Ladder Concentration [pg/μl] : 1950
Uses Standard Area for Ladder Fragments
Lower Marker Concentration [pg/μl] : 125
Upper Marker Concentration [pg/μl] : 75
Used Upper Marker for Quantitation
Standard Curve Fit is Point to Point
Show Data Aligned to Lower and Upper Marker

Integrator Settings

Integration Start Time [s] : 33.05
Integration End Time [s] : 137
Slope Threshold : 0.8
Height Threshold [FU] : 5
Area Threshold : 0.1
Width Threshold [s] : 0.6
Baseline Plateau [s] : 0.5

Filter Settings

Filter Width [s] : 0.5
Polynomial Order : 4

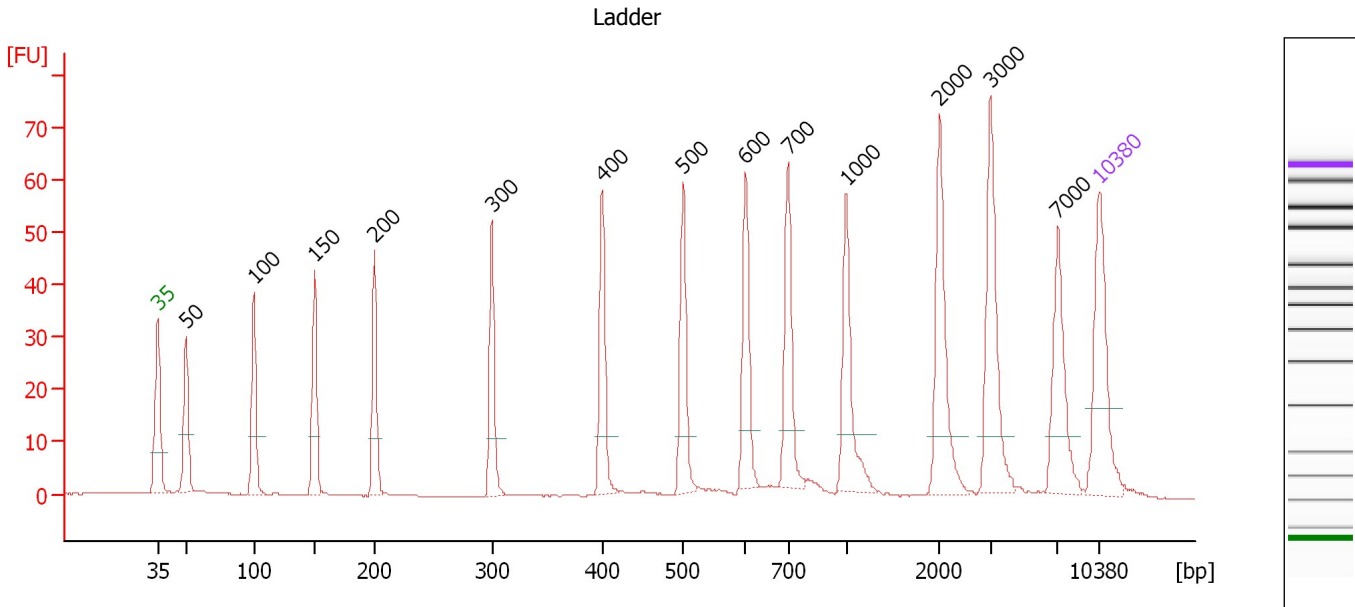
Ladder

Ladder Peak	Size	Area
1	35	160
2	50	210
3	100	208
4	150	221
5	200	242
6	300	270
7	400	305
8	500	306
9	600	336
10	700	321
11	1000	366
12	2000	413
13	3000	411
14	7000	400
15	10380	214

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary



Overall Results for Ladder

Noise: 0.1

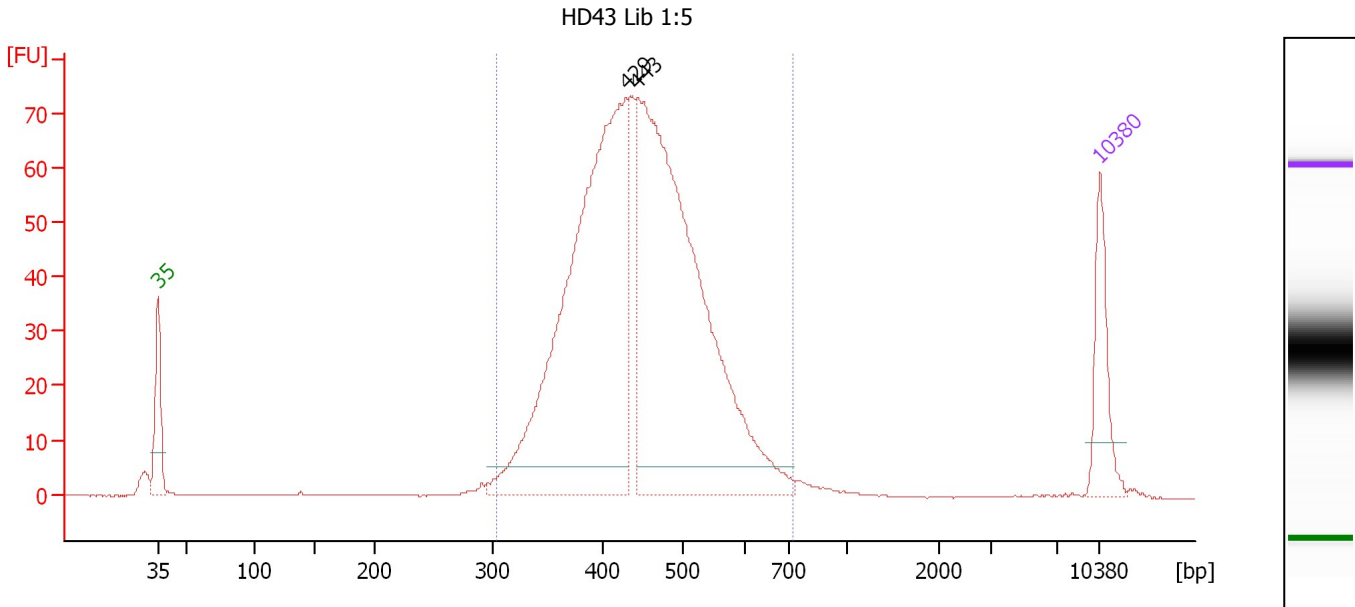
Peak table for Ladder

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	45.09	50	150.00	4,545.5	Ladder Peak
3	50.15	100	150.00	2,272.7	Ladder Peak
4	54.64	150	150.00	1,515.2	Ladder Peak
5	59.13	200	150.00	1,136.4	Ladder Peak
6	67.85	300	150.00	757.6	Ladder Peak
7	76.04	400	150.00	568.2	Ladder Peak
8	82.05	500	150.00	454.5	Ladder Peak
9	86.69	600	150.00	378.8	Ladder Peak
10	89.82	700	150.00	324.7	Ladder Peak
11	94.16	1,000	150.00	227.3	Ladder Peak
12	101.10	2,000	150.00	113.6	Ladder Peak
13	104.86	3,000	150.00	75.8	Ladder Peak
14	109.87	7,000	150.00	32.5	Ladder Peak
15	113.00	10,380	75.00	10.9	Upper Marker

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 1 : HD43 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 971.1
 Noise: 0.1

Peak table for sample 1 : HD43 Lib 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	77.79	429	897.44	3,168.6	
3	78.63	443	942.09	3,221.9	
4	113.00	10,380	75.00	10.9	Upper Marker

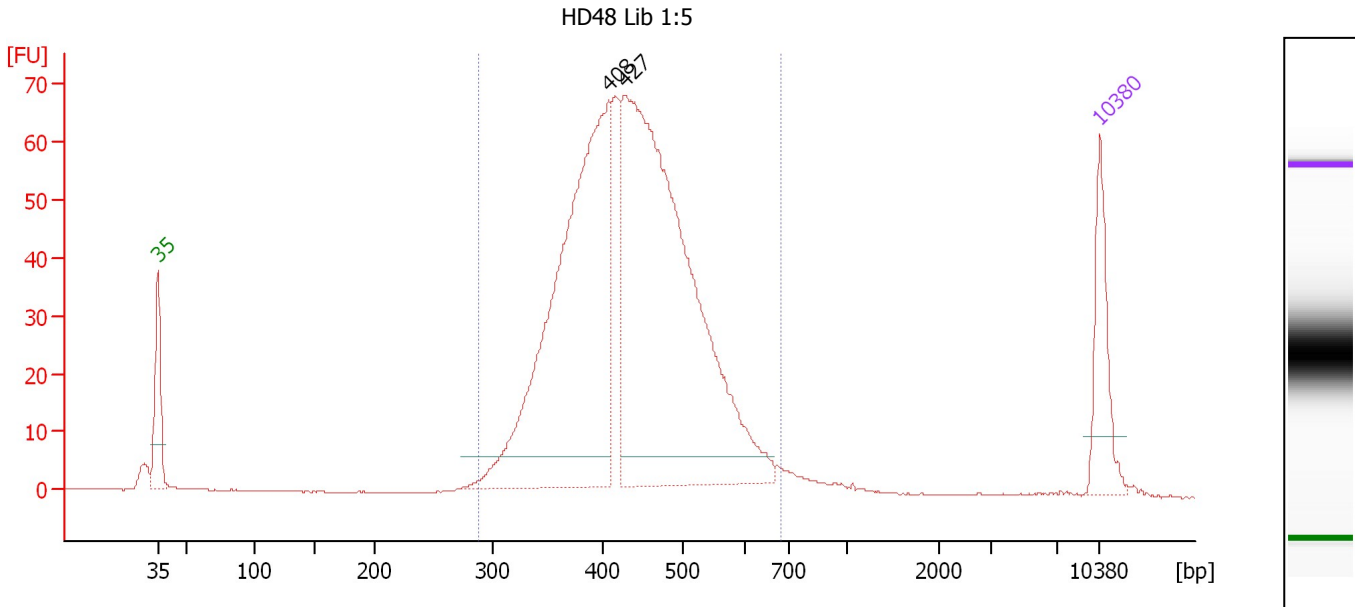
Region table for sample 1 : HD43 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
304	728	448	6,830.2	1,959.57	971.1	97	15.9	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 2 : HD48 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 947.9
 Noise: 0.1

Peak table for sample 2 : HD48 Lib 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	76.51	408	722.75	2,685.4	
3	77.66	427	921.84	3,271.4	
4	113.00	10,380	75.00	10.9	Upper Marker

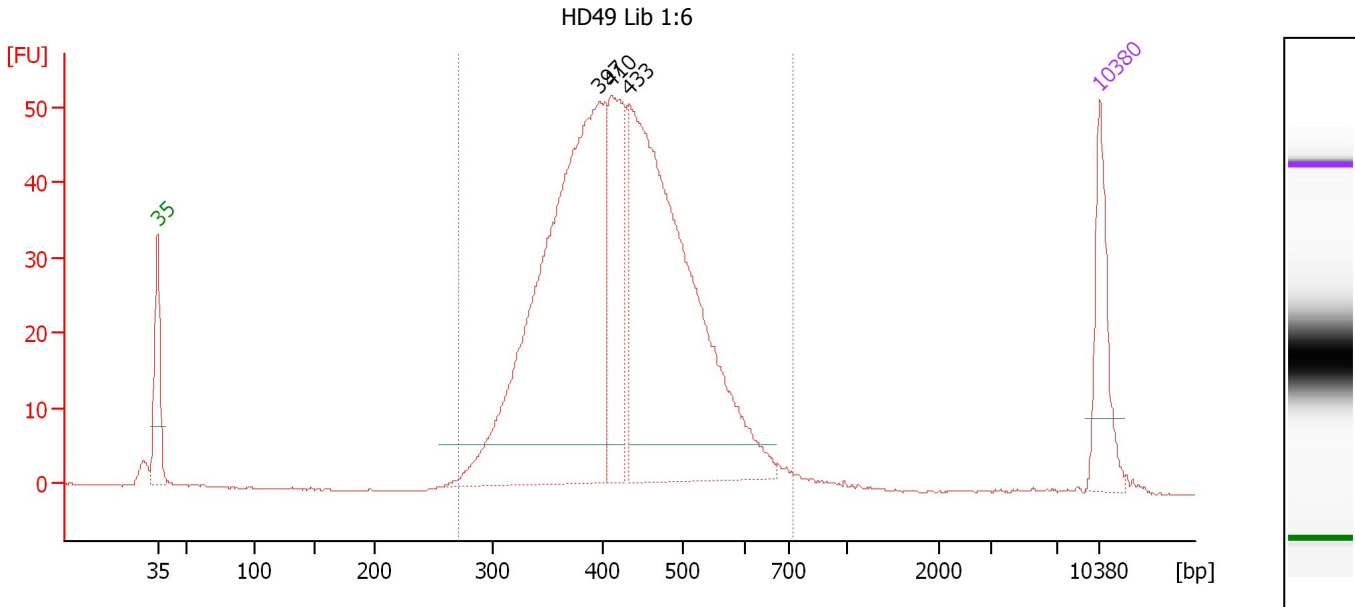
Region table for sample 2 : HD48 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
288	685	438	6,532.0	1,828.12	947.9	95	16.3	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 3 : HD49 Lib 1:6

Number of peaks found: 3 Corr. Area 1: 795.6
 Noise: 0.1

Peak table for sample 3 : HD49 Lib 1:6

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	75.81	397	778.33	2,969.0	
3	76.67	410	195.44	721.6	
4	78.00	433	721.72	2,527.7	
5	113.00	10,380	75.00	10.9	Upper Marker

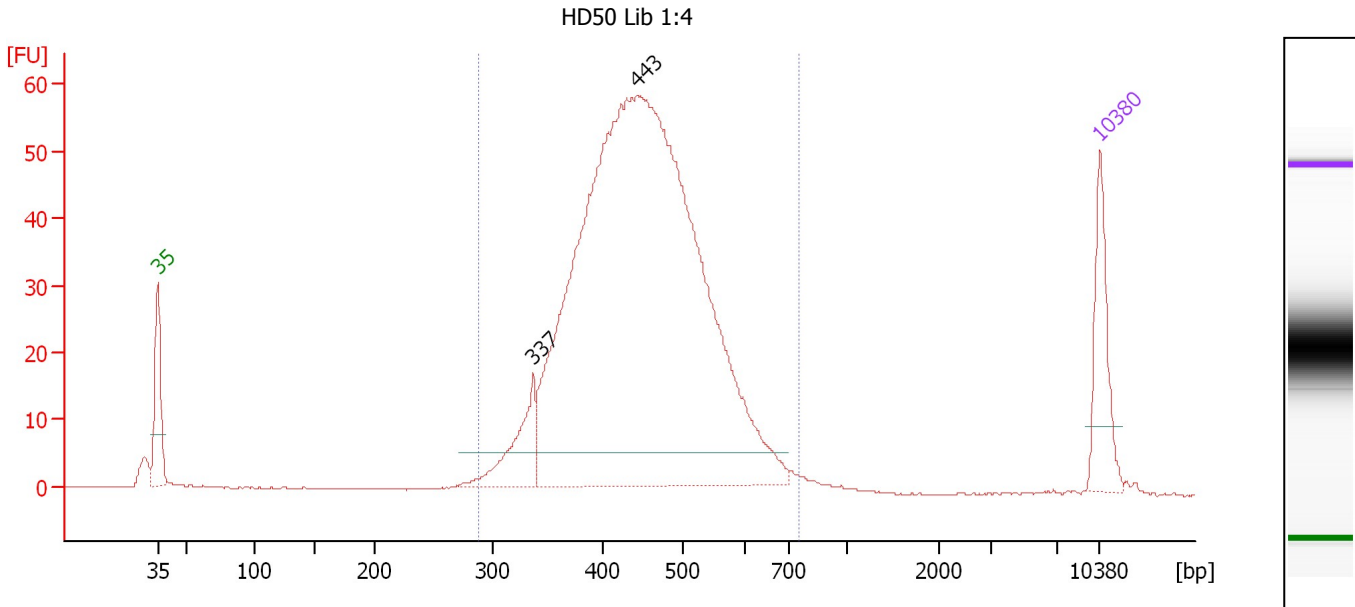
Region table for sample 3 : HD49 Lib 1:6

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
271	723	429	6,711.2	1,825.03	795.6	97	17.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 4 : HD50 Lib 1:4

Number of peaks found: 2 Corr. Area 1: 804.9
 Noise: 0.1

Peak table for sample 4 : HD50 Lib 1:4

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	70.85	337	92.63	416.9	
3	78.63	443	1,709.32	5,845.8	
4	113.00	10,380	75.00	10.9	Upper Marker

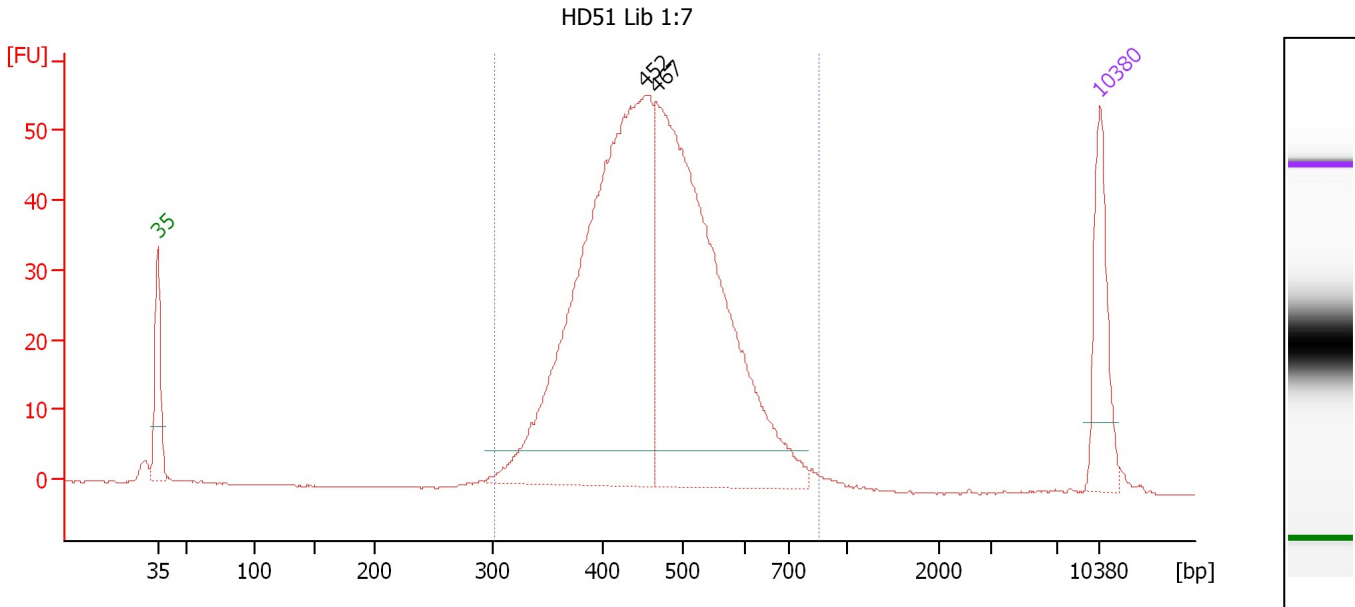
Region table for sample 4 : HD50 Lib 1:4

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
289	752	451	6,496.3	1,868.61	804.9	95	16.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 5 : HD51 Lib 1:7

Number of peaks found: 2 Corr. Area 1: 772.5
 Noise: 0.1

Peak table for sample 5 : HD51 Lib 1:7

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	79.19	452	800.16	2,679.7	
3	80.08	467	695.23	2,254.8	
4	113.00	10,380	75.00	10.9	Upper Marker

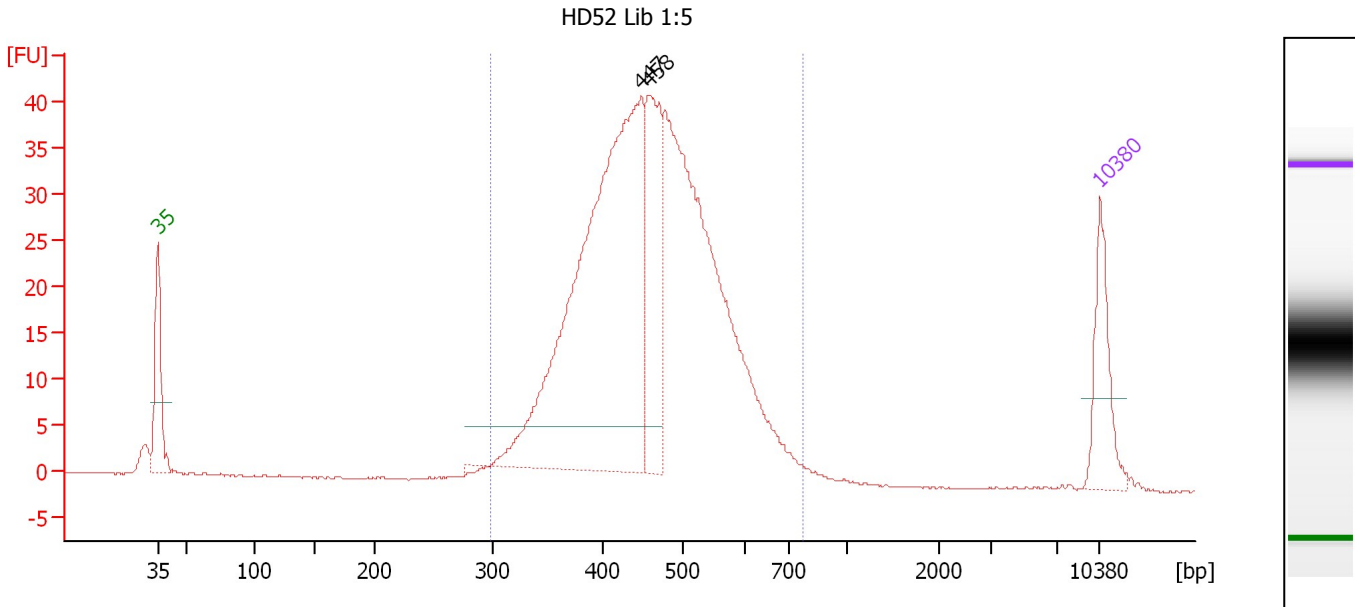
Region table for sample 5 : HD51 Lib 1:7

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
302	856	469	5,078.1	1,512.16	772.5	97	17.8	Blue

Assay Class: High Sensitivity DNA Assay
 Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
 Modified: 1/8/2014 6:10:02 PM

Electropherogram Summary Continued ...



Overall Results for sample 6 : HD52 Lib 1:5

Number of peaks found: 2 Corr. Area 1: 570.8
 Noise: 0.1

Peak table for sample 6 : HD52 Lib 1:5

Peak	Aligned Migration Time [s]	Size [bp]	Conc. [pg/μl]	Molarity [pmol/l]	Observations
1	43.00	35	125.00	5,411.3	Lower Marker
2	78.89	447	863.05	2,922.4	
3	79.50	458	210.80	697.9	
4	113.00	10,380	75.00	10.9	Upper Marker

Region table for sample 6 : HD52 Lib 1:5

From [bp]	To [bp]	Average Size [bp]	Molarity [pmol/l]	Conc. [pg/μl]	Corr. Area	% of Total	Size distribution in CV [%]	Color
299	773	464	6,434.0	1,898.54	570.8	97	17.0	Blue

Assay Class: High Sensitivity DNA Assay
Data Path: C:\...d Settings\Bioanalyzer\2014-01-08\2014-01-08_004_HD_Lib.xad

Created: 1/8/2014 5:26:37 PM
Modified: 1/8/2014 6:10:02 PM

Gel Image

